Great Britain

## **CONTENTS OF VOLUME 11**

## Number 1

Opacification: Solving the Fundamental Problems	1
The Synthesis, Application and Prediction of Stokes Shift in Fluorescent Dyes Derived from 1,8-Naphthalic Anhydride	13
Synthesis and Characterization of Deep-Coloured Squarylium Dyes for Laser Optical Recording Media	21
Disperse Dyes Derived from 3-Oxo-2,3-dihydrobenzo[b]thiophene-1,1-dioxide and 3-Dicyanomethylene-2,3-dihydrobenzo[b]thiophene-1,1-dioxide V. U. SHENOY, V. P. PATEL & S. SESHADRI (India)	37
Studies on the Synthesis and Solvatochromic Behaviour of Mono- and Tri-methine Cyanines: Methine Cyanine Dyes, Synthesis and Solvatochromism A. I. M. KORAIEM, M. A. EL-MAGHRABY, A. K. KHALAFALLA & H. A. SHINDY (Egypt)	47
Violet to Cyan Azo Dyes Derived from 4-Amino-3-nitrobenzaldehyde as Diazo Component	65
Short Communication Fluorescent Properties of Phthalocyanines	77
321	
Dyes and Pigments (11) (1989)—© 1989 Elsevier Science Publishers Ltd, England. Prin	nted in

## Number 2

Syntheses and Properties of Some Deeply Coloured Dichroic Anthraquinone Dyes SHIGEO YASUI, MASARU MATSUOKA & TEIJIRO KITAO (Japan)	81
<sup>15</sup> N NMR Investigation of Azo-Hydrazone Acid-Base Equilibria of FD&C Yellow No. 5 (Tartrazine) and Two Analogs	93
Synthesis and Characterization of Two Novel Formazan Dyes YAŞAR GÖK (Turkey)	101
Colour and Constitution Relationships in Organic Pigments. Part 2—Disazoacetoacetanilides	109
The Kinetics of the Hydrolysis and Alcoholysis of some Model Monofluorotriazinyl	
Reactive Dyes LI XIAO-TU, ZHU ZHENG-HUA & CHEN KONG-CHANG (People's Republic of China)	123
Synthesis of Benzimidazo[1,2-a]-quinolines: Fluorescent Disperse Dyes V. U. SHENOY & S. SESHADRI (India)	137
Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren. I. Darstellung und Eigenschaften der quartären Salze des 1-substituierten Dimethylchinoxalins und des 1-Methylchinoxalinium-toluol-4-	
sulfonates	147
Number 3	
Disperse and Cationic Dyes from Aminophenyl-X-Azolo-Pyridines PIERO SAVARINO, GUIDO VISCARDI, ROSARINA CARPIGNANO, ERMANNO BARNI & GIOVANNI FERRERO (Italy)	163
<sup>15</sup> N NMR Study of Azo-Hydrazone Tautomerism of Some Water-soluble Dyes KIYOSHI YAMAMOTO, KIYOSHI NAKAI & TOSHIO KAWAGUCHI (Japan)	173
Solvent and Viscosity Effect on the Kinetics of the Thermal cis-trans Isomerization of 3'-Nitro-4-diethylaminoazobenzene	179
Interaction between Water-Soluble Polymers and Azo Dyes Containing Fluorine Atoms. I. Monoazo Sulphonated Dyes Containing a Trifluoromethyl Group .  KUNIHIRO HAMADA, SEIJI TAKE & TOSHIRO IIJIMA (Japan)	191

## Contents of Volume 11

323

319

Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren. II. Darstellung und Eigenschaften der indigoiden Derivate 201 DIETER SCHELZ (Switzerland) Fluorescence Quenching Studies of the Self-Association in Water of Fluorescent Surfactants. Alkaryl-2-pyrazolines and Alkyl-7-hydroxycoumarins . 213 L. E. AICOLINA, I. H. LEAVER & I. W. STAPLETON (Australia) Low-Temperature Dyeing of Protein and Polyamide Fibres using a Redox System 233 A. BENDAK (Egypt) Number 4 <sup>1</sup>H NMR Study of the Hydrolysis of some Model Pyrimidyl Reactive Dyes 243 TANG WEI, ZHU ZHENG-HUA, CHEN KONG-CHANG. HE MENG-ZHEN & ZHONG XIN-MAO (People's Republic of China) Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren, III. Synthesen mit 1-Methylchinoxalinium-toluol-4-sulfonat 261 DIETER SCHELZ (Switzerland) Carrier Dyeing of Polyester Fibre with some Disperse Azo Dyes 269 A. ARCORIA, A. CERNIANI, R. DE GIORGI, M. L. LONGO & R. M. TOSCANO (Italy) Study of Some Chemical Properties of Sulfonated Vinylsulfonyl Reactive Dyes . 277 ZHU ZHENG-HUA, CHEN KONG-CHANG, LI JIAN-XIONG, CHEN SHU-LING & WANG SHOU-LAN (People's Republic of China) Correlation between Dyeing Rate and Thermodynamic Affinity of Disperse Reactive Dyes . . . 293 MARIA RITA DE GIORGI (Italy) New Perylene and Violanthrone Dyestuffs for Fluorescent Collectors. 303

G. SEYBOLD & G. WAGENBLAST (FRG)

Announcement